

235; of rainbow bricks, 345; roofs, form of, 344; windows, 350.
Houses: construction of, to prevent fires, 241, 292; lodging, in Chelsea, 106; model, 49, 94, 250; for poor, 281,—for very poor, 10; poor men's and public conveniences, 461: see also "Cottages" and "Dwellings"
Houses, skyline of, in London, 224
Hullab, Professor's, music-hall, Long-acre, 71.
Hyde-Park obstructive to public accommodation, 380: see also "Parks"
Hydraulic power, 224

INDIA, architecture of, 14, 98
Inigo Jones, memoir of, reviewed, 13
Institute of Architects: see under "Architects"
Interment Bill for London city, 262: see also "Metropolitan"
International Exhibition, 10, 20, 33, 45, 52, 81, 92, 106, 214; a commemorative column for, 620; a few words at Kensington on, 140, 232; art and science at Mansion-house, during, 574; book on, reviewed, 548; building, 45, 82, 117, 125, 152,—plans, 178, 265, 308; building committee, doings of, 241, 277, 298, 337; building competition, 313, 337,—contracts, 337; building of glass and iron, 358, 370, 403, 523,—description of, 421, 496,—glass for, 536,—paper on, 544,—caution as to, 553,—decoration of, 553, 580, 604, 613,—drainage of, 442; carpets for, 478, 490; clays for, 490; commissioners, local, 581; decorators and designers at, 483; Institute report on, 230; Manchester designers and, 489; metropolitan committees for, 569; movement as to, 241; notes on, 512; opening art-works during, 188; prizes and medals, 562,—153, 297, 309, 333, 337; progress of, 472; protection of inventions at, 166, 188, 441, 465; poor inventors and, 507,—see also "Patent Law;" railway fares to, 573; returns of space in, 453; sculpture in, 273; Serpentine and, 581; thoughts on, 317; universality of, 394; workmen and, 309,—see also "Workmen;" York banquet in honour of, 526
Iodine Spa, Woodhall, 523
Ireland, 89, 201, 316, 368, 375, 387, 403, 416, 424, 436, 437, 466, 473, 478, 488, 501, 512, 568, 569, 605
Irish Amelioration Society, 466
Iron: 346; and copper, 454; and glass for buildings, 544, 585; and steel, 310,—see also "Steel;" bar, price of, 68; beams, 151, 609, 352; bridge, failure of, 508, 428; cast, 453,—coating for, 221; change in structure of, 22, 213; coating, with glass, 286; columns, insufficient, 322; effect of on masonry, 64, 86; gates, 207; girders, 69; houses, 129; in railway structures, 476; in submarine foundations, 335; lighthouse, 93; manufacture, 393; ornaments, 218; permanent ways, 82; plates for roofs, 70; roof, 40, 130, 413; ships, shot on, 334; stairs, 293; stays to wooden walls, 70; trade, 21, 34, 476, 139, 165, 250, 321, 406, 442, 502, 562, 586, 610, 513; v. copper, steam boilers, 382; ware, glazing, 358; warehouses, 477; work, paint for, 7; works, 309, 178
Ivory trade, 621

JOINERS, Liverpool, improvement Society of, 176, 249, 430
Joinery, patent in, 93
Jones, Inigo, memoir of, reviewed, 13

KINGSTON: Jamaica, note from, 352; king's stone, 457
Koeller-hall training school, 68

LAMPS: lighting by electricity, 334; naphtha or camphine, 274,—danger of, 550
Landlord and tenant, 91, 370
Lead, effect of on water, 289
Leather cutting, 526
Lectures by Lord Carlisle, 598
Leigh's Priory, Essex, 68
Level, self-recording, 255
Libraries and museums, free, 33, 93, 94, 502
Light: for poor, 424; supply of, 446; and health taxes, 56, 161, 201, 211, 349, 550, 586,—see also "Health;" from water, see "Gas;" hydro-electric, 22
Lighthouses, 93, 106, 333, 477, 562
Lightning-conductors, want of, 269
Lime: quick, mountain of, 538; stones, 237
Liverpool, 32, 70, 106, 118, 154, 182, 189, 208, 225, 226, 238, 329, 345, 430, 452, 466, 501, 583, 584, 619
Locks and keys, 166, 188
Lodging-houses, new, at Glasgow, 478
London: bridge, 413,—see also "Bridge;" drainage, 493; Evelyn on, 94; extent of, 610; in 1543, 3; 3½ times past, 609; on 9th November—arts in city, 54,—see also "City Show;" signs, 325: see also "Metropolitan," &c.

MACHINE for lifting sacks, 550
Mahogany, 617
Manchester, 32, 44, 116, 178, 237, 380, 381, 397, 409, 425, 454, 477, 500, 526, 537
Marble arch: unfortunate, 258, 281, 382, 442, 457, 490
Markets, cattle, of Paris, 1, 28
Marlborough house, 128, 153
Masonry: in France, 448; effect of iron on, 64
Masons: Provident Institution, 104, 260, 473; short time, 586
Masters and men, 1: see also "Workmen"
Mechanics: Institution, Bury, 238,—Huddersfield, 598,—Ipswich, 128,—London, 441, 454, 586, 609
Medal drawings, 75
Medals, 85, 99, 622
Medieval: and Arabic numerals, 77; architecture, 122, 147, 159, 164,—copyism and, 541, see also under "Architecture," "Churches," "Copyism," &c.; brick buildings in Germany, 112
Metals, cutting, 346
Metropolis: growth of, 273; sanitary improvement of, 70
Metropolitan: centre, 357; drainage, 65, 103, 129, 140, 152, 164, 189, 344, 393, 416, 464,—new law in, 500, 608; great cemetery, 104, 229, 394, 434; improvements, 21, 46, 121, 142, 152, 165, 213, 223, 281, 489,—Chancery-lane—see,—City, 562,—Farringdon-street, 442,—Pall-mall, 464, 560, see also "Pall-mall;" nuisances, 21, 34, 45, 82, 212; parks, 148, 177, 214, 224, 298,—see also "Parks;" sanitary association, 89, 211, 349, 406; sewers commission, see almost every weekly number,—also—accident at Scotland-yard sewer, 620,—new, expenditure of, 99,—plan of sewerage for London by, 308, 620,—sewer works, extensive, 538, 550, see also under "Sewers," "Sewage," &c.; sites, 58; 128; streets, 489, 514, 574, 585, 609; thoroughfares, crossing, 586, 597, 621, 622; tunneling, 285, 489; water, 44, 45, 69, 93, 129, 238, 272, 289, 331, 418, 560, 571,—see also "Water"
Mills: fall of, 568, 394, 453, 460; flour, Thames-street, 573
Model houses: see "Houses"
Models: 345; in drawing, 70
Monastic Institution for women, Miss Sellon's, 225
Monument: Barrow, 238; Bentinck, 43; Bolling, 461; Bunyan, 273; Cambridge, 394, 593; Jeffrey, 598; Nelson, 21, 86, 99, 169, 514; Rannymede, 166; Stephenson, 369, 428, 537; Sussex, 106; Titian, 610; Washington, 77, 93, 365; Wordsworth, 394
Monumental: columns, 169; memorials in Terra Cotta, 234; slabs and crosses, 147
Monuments: ancient, preservation of, 173, 189; columns as, 223; Egyptian, 345; medieval, 25; Peel, 118, 141, 334, 341, 358, 389, 442, 449, 478, 500, 598, 603, 610, 617; preservation of in France, 46; public in Paris, 70
Mortar: for arches, 82; hydraulic, 391
Mosaics and modelling, 250
Mosque of St. Sophia, 471
Motive power, cheap, in wind and water, 562
Mouldings, on, 458
Mausoleum of Hadrian, 111, 122, 135
Mullion, Bilton Church, 243
Munich: Basilica of St. Boniface, consecration of, 589; Ruhmeshalle and statue of Bavaria, 517

NAIL trade, 226, 274, 298, 322
National: buildings, 39; gallery, 128, 153, 190, 202, 250, 286, 353, 364,—Scottish, 176, 218, 406, 430, 453
Nomenclature, architectural, 18, 45
Norman fortress in England, 410
Norway, state of art in, 126
Notes in Provinces: see each weekly number.

OBITUARY: Mr. R. Abraham, 598, 602; Sir William Allan, R.A., 101; M. Pietro Bianchi, 58; M. Debrét, 109; Mr. J. P. Deering, 130; Mr. C. Hummeland, 594; Dr. Pokka, 165; Mr. Ritchie, sculptor, 622; Mr. Smith, of Deanston, 286; Mr. James Thom, 250; Mr. Wyatt, of Rome, 284
Omnibus improvements, 538
Opera House, Royal Italian, 141, 321, 370
Operatives: see "Workmen"
Ornament: and Shadow, 400; style in, 484, 517
Ornamental: art, lectures on, 103, 149, 339; glazing, 394; trees, damaging, 262
Ornamentation in Assyrian sculptures, 136
Oven, new, 166
Oxford, 297, 301; a ramble from, to Ilfey, &c., 325

PAINT for ironwork, 7
Painters: in Water Colours, new Society of, 194, 211, 322
Painting on vellum, 69
Paintings: Exeter Cathedral, 341; King of Holland's, sale of, 418; lecture at exhibition of, 93; mural, 94

Paints, harmless, 490
Palace, Buckingham, 209
Palazzo Grimani, Venice, 18
Palladio, 273
Pall Mall and Parks, 281, 560, 566, 584: see also "Metropolitan"
Panopticon of Science and Art, 130
Panoramas, 80, 176, 212, 356, 465
Paper-hangings, first use of, 490
Paris, 1, 28, 38, 40, 50, 70, 76, 94, 110, 159, 178, 188, 194, 232, 273, 379, 415, 514
Park: Battersea, 285, 367, 526, 586; Hyde, 380; St. James's, 453, 505, 550
Parks: the, 442, 484; encroachments on, 441: see also "Metropolitan," "Pall Mall," &c.
Patent law ref. in question, 58, 151, 166, 188, 214, 248, 441, 466, 478, 507, 532, 536, 557, 598: see also "International Exhibition"
Paving: Euston, 118, 496; street, 524
Peel testimonials, see under "Monuments" and "Statues"
Perspective, 4, 40, 58, 116, 313
Piers, landing, 33
Pimlico, derivation of name of, 274
Pipes: earthenware, 9, see also "Earthenware;" glass, 574; passage of water through, 441, 452, 460, 512; vitreous, 550
Planing: machine, 194; rule, 141
Plaster of Paris, 196
Plasterers, retrogradation of, 442
Pointed, Pagan v. 58
Polychromatic decoration, 595
Pompell, 550
Poor: houses for: see "Houses;" rates, 68
Portland Gallery, Regent-street, 184
Pottery and porcelain, 399, 621
Prince Albert on sewage manure, 220
Printing machines, 130, 178, 249
Printwork, Manchester, 409
Prison, new, for Surrey, 185
Progress, intellectual, 10
Promenades in Paris, 110
Property: houses of, 501; tenure of, 451; value of, 389, 429
Provincial news: see each weekly number
Public: buildings, 52, 105, 152; works, 59, 86, 105, 487, 481
Pulpits, sounding-boards of, 477

QUARRIES, 311, 465

RAILWAY: aerostatic, 466; arches, 452; bridge, at Tooley-street, 508, 524, 553, 574, 598; bridge, Britannia and tubular, 32, 76, 105, 118, 123, 129, 245; bridge, Wye, 428; windows, sheet air, 356; comforts, 401; coach-tube, 369; excursions, cheap, recommended, 437, 451, 464; fares, cheap, recommended, 130,—redaction of, 508; hotel, 106; iron permanent ways, 82, 238, 610; jottings: see each weekly number; locomotive, boiler explosion, 94, 221; locomotive, life of, 154,—light, England's, 418, 451,—live, 345; parcels and carriers question, 508; passengers, 389; rails, 185; rating, 22, 249, 418 report, 405; roofs, 52, 76, 87, 100, 118, 152, 232, see also "Roof;" shares, 94; Speaking passenger line of, 200; stations, 284,—Bricklayer's Arms, roof fallen, 401, 411, 442,—milk markets at, 388; statistics, 19, 70, 185, 388, 437, 451, 508, 521; strike, 617; structures, iron in, 476; system, 17; traffic, 3; transit, movement of goods in, 53, 309, 549; tunnels, 46, 124, 610,—seven miles through Alps, 166, 189, 231; viaducts, 46, 94, 113, 153, 260, 236, 428, 547; villages, 449.
Railways: and roads in hilly countries, 597; helical lift for, 185
Rating: in Regent-street, 442, small townments, 430
Recipe: to destroy ants, 88, 334; coating for cast iron, 221,—with glass, 286; against damp, 358; hardening metal, 237; oak fencing, preservation of, 188; paint for ironwork, 7; for slippery rails, 185; stains on marble, 585; for stereotyping cheaply, 178; to render brick or stone impervious to wet, 478, 490
Renaissance, 103
Reproductive employment of paupers, 250
Restoration, what is: 447; see also "Church"
Review of books, engravings, &c.: Ansted's Geology, 236; Architectural Society's publication, 181, 313; Barlow on Iron Permanent Ways, 82; Boardmore on new Street and Aqueduct Sewer through London, 489; Board of Health Report, 465; Bolton on Drawing, 313; Boutell's Christian Monuments, 25; Bourne on Steam Engine, 249; Bowman's Middle Age Churches, 25; Bradshaw's Railways, 34; Britton's Autobiography, 373; Building Societies' Directory, 92; Bean's Fine Art Almanack, &c., 620; Chambers's Architectural Illustrations, 465; Chambers's Papers for People, 165; Chubb on Locks and Keys, 525; Clarke's Britannia and Conway Tubular Bridges, 433; Clarke on Gloucester, 345; Clay on London Water Supply, 69; Cliffe's North Wales, 213; Colling on Gothic Details, 489; Council on